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The buffered crossbar switch architecture has recently gained considerable research attention. In such a switch, besides normal input and output queues, a small buffer is associated with each crosspoint. Due to the introduction of crossbar buffers, output ...

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Due to its low complexity, Greedy Maximal Scheduling (GMS), also known as Longest Queue First (LQF), has been studied extensively for wireless networks. However, GMS can result in degraded throughput performance in general wireless networks. In this ...

Keywords: greedy maximal scheduling, longest queue first, throughput optimality, wireless networks**3 Stability and performance analysis of networks supporting elastic services**
 [Gustavo de Veciana, Takis Konstantopoulos, Tae-Jin Lee](#)
February 2001 **IEEE/ ACM Transactions on Networking (TON)**, Volume 9 Issue 1**Publisher:** IEEE Press